

Appendix table 5-22

Primary source of support of 1995–99 doctoral recipients, by race/ethnicity and field

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Race/ethnicity and primary source of support	Total S&E	Engineering	Physical sciences	Earth, atmospheric & ocean sciences	Mathematics	Computer science	Agri-cultural sciences	Biological sciences	Psy-chology	Social sciences
Percent distribution										
Total.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Personal sources of support.....	24.5	16.7	9.0	18.2	13.8	27.0	23.3	14.7	50.0	36.3
Loans.....	4.2	1.1	0.6	1.2	0.7	1.2	2.2	1.3	14.7	5.4
Personal savings.....	0.7	0.6	0.2	0.7	0.3	1.3	0.8	0.3	1.2	1.4
Other personal earnings in graduate school.....	11.4	9.8	4.0	10.4	6.6	17.0	12.6	6.6	18.3	18.9
Other family earnings or savings.....	8.2	5.1	4.1	5.9	6.2	7.5	7.6	6.5	15.8	10.5
Teaching assistantship.....	14.7	7.2	19.2	12.3	51.3	11.5	5.8	11.2	12.4	21.5
Research assistantship, traineeship, internship.....	32.8	44.6	48.7	43.2	11.0	31.8	46.2	43.2	13.7	11.8
Research assistantship.....	29.8	43.2	47.4	42.6	10.2	31.1	45.9	34.5	11.8	10.9
Traineeship.....	2.9	1.3	1.2	0.6	0.8	0.6	0.3	8.7	1.6	0.9
Internship or residency.....	0.1	0.1	0.1	0.0	0.0	0.1	0.0	0.1	0.3	0.0
Fellowship/scholarship/dissertation grant.....	14.6	15.2	11.7	15.2	13.4	11.9	9.0	19.6	8.5	18.0
Fellowship/scholarship.....	14.4	15.0	11.5	14.6	13.4	11.8	8.7	19.0	8.4	17.6
Dissertation grant.....	0.3	0.2	0.2	0.5	0.0	0.1	0.3	0.5	0.1	0.4
Employer reimbursement/assistance.....	2.4	6.1	1.4	1.8	1.5	7.5	2.7	1.1	1.3	1.5
Foreign (non-U.S.) support.....	0.3	0.6	0.1	0.3	0.3	0.4	1.1	0.2	0.0	0.4
Other source of support.....	1.3	1.4	0.9	1.2	0.6	1.3	1.3	1.5	1.1	1.4
Unknown source of support.....	9.4	8.1	9.0	7.8	8.1	8.5	10.5	8.5	13.0	9.2
White, non-Hispanic, total.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Personal sources of support.....	27.0	18.3	10.3	19.6	15.1	29.5	26.0	16.7	52.7	37.9
Loans.....	4.5	1.1	0.7	1.1	0.7	0.8	2.4	1.5	14.9	5.3
Personal savings.....	0.8	0.7	0.2	0.7	0.4	1.2	0.7	0.3	1.3	1.4
Other personal earnings in graduate school.....	12.6	11.3	4.4	11.2	7.2	19.3	14.2	7.4	19.3	20.0
Other family earnings or savings.....	9.3	5.3	4.9	6.6	6.9	8.1	8.7	7.5	17.2	11.2
Teaching assistantship.....	15.2	6.7	18.6	13.0	50.9	10.6	6.2	12.1	13.1	22.3
Research assistantship, traineeship, internship.....	32.0	43.2	49.6	41.3	11.4	30.7	45.4	42.7	14.4	12.1
Research assistantship.....	28.7	41.6	48.2	40.6	10.4	29.9	45.0	33.1	12.6	11.0
Traineeship.....	3.2	1.5	1.4	0.7	1.0	0.7	0.3	9.5	1.6	1.1
Internship or residency.....	0.1	0.1	0.1	0.0	0.0	0.1	0.0	0.1	0.3	0.0
Fellowship/scholarship/dissertation grant.....	14.1	16.6	12.1	16.2	14.1	12.7	8.7	18.6	6.5	16.8
Fellowship/scholarship.....	13.8	16.3	11.9	15.6	14.1	12.6	8.4	18.0	6.4	16.5
Dissertation grant.....	0.3	0.2	0.2	0.7	0.0	0.1	0.3	0.6	0.1	0.4
Employer reimbursement/assistance.....	2.6	7.2	1.7	1.9	1.7	7.9	3.1	1.3	1.2	1.6
Foreign (non-U.S.) support.....	0.2	0.4	0.1	0.2	0.2	0.3	0.5	0.1	0.0	0.3
Other source of support.....	1.2	1.4	0.8	1.2	0.5	1.2	1.2	1.4	1.1	1.3
Unknown source of support.....	7.7	6.1	7.0	6.6	5.9	7.1	8.9	7.1	10.9	7.6

See explanatory information and SOURCE at end of table.

Appendix table 5-22

Primary source of support of 1995–99 doctoral recipients, by race/ethnicity and field

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Race/ethnicity and primary source of support	Total S&E	Engineering	Physical sciences	Earth, atmospheric & ocean sciences	Mathematics	Computer science	Agri-cultural sciences	Biological sciences	Psy-chology	Social sciences
Percent distribution										
Asian/Pacific Islander, total.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Personal sources of support.....	11.9	12.6	4.1	7.0	7.8	18.9	11.1	7.4	34.8	26.7
Loans.....	1.1	0.5	0.1	0.6	0.3	0.2	1.0	0.4	11.8	2.6
Personal savings.....	0.4	0.5	0.2	0.3	0.0	1.3	1.3	0.2	0.3	1.1
Other personal earnings in graduate school.....	5.6	6.4	2.2	3.2	3.8	11.4	4.8	3.5	10.2	12.9
Other family earnings or savings.....	4.7	5.2	1.6	2.9	3.6	6.0	4.1	3.3	12.5	10.1
Teaching assistantship.....	15.9	9.2	23.1	8.5	60.4	17.3	4.1	9.9	17.0	25.2
Research assistantship, traineeship, internship.....	45.4	54.3	51.0	65.9	10.8	40.7	64.0	50.5	17.2	15.1
Research assistantship.....	43.3	53.5	50.3	65.9	10.6	40.3	63.7	44.7	14.9	14.9
Traineeship.....	2.1	0.7	0.6	0.0	0.2	0.4	0.3	5.8	2.1	0.2
Internship or residency.....	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
Fellowship/scholarship/dissertation grant.....	11.5	7.4	5.6	5.0	5.0	6.2	5.1	19.5	13.8	17.0
Fellowship/scholarship.....	11.3	7.4	5.6	5.0	5.0	6.0	4.8	19.3	13.8	16.7
Dissertation grant.....	0.1	0.1	0.0	0.0	0.0	0.2	0.3	0.2	0.0	0.3
Employer reimbursement/assistance.....	1.5	3.1	0.6	0.9	0.5	5.3	1.0	0.5	0.8	0.8
Foreign (non-U.S.) support.....	0.5	1.0	0.0	0.0	0.2	0.8	1.9	0.1	0.2	1.0
Other source of support.....	1.3	1.2	1.3	1.2	1.0	1.1	1.0	1.5	0.6	1.4
Unknown source of support.....	12.0	11.2	14.3	11.7	14.2	9.8	11.8	10.6	15.6	12.8
Black, non-Hispanic, total.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Personal sources of support.....	25.5	13.9	5.4	26.3	14.6	23.7	14.5	12.2	38.9	36.3
Loans.....	8.4	3.1	1.1	10.5	4.2	10.2	1.8	3.3	15.2	11.3
Personal savings.....	0.7	0.2	0.0	0.0	0.0	0.0	0.9	0.4	1.1	1.2
Other personal earnings in graduate school.....	12.0	6.6	3.6	15.8	6.3	10.2	9.1	5.9	16.7	17.7
Other family earnings or savings.....	4.4	4.0	0.7	0.0	4.2	3.4	2.7	2.6	5.8	6.1
Teaching assistantship.....	8.8	5.2	17.3	10.5	22.9	6.8	6.4	6.8	7.1	10.5
Research assistantship, traineeship, internship.....	16.8	22.7	26.7	21.1	6.3	8.5	34.5	29.8	9.5	7.5
Research assistantship.....	14.6	20.3	26.0	21.1	6.3	8.5	34.5	22.8	8.1	6.5
Traineeship.....	2.1	2.1	0.7	0.0	0.0	0.0	0.0	7.0	1.3	1.0
Internship or residency.....	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Fellowship/scholarship/dissertation grant.....	31.3	38.5	32.5	28.9	45.8	32.2	20.0	35.5	27.8	28.2
Fellowship/scholarship.....	30.8	38.5	31.8	28.9	45.8	32.2	20.0	33.9	27.7	28.0
Dissertation grant.....	0.4	0.0	0.7	0.0	0.0	0.0	0.0	1.7	0.1	0.2
Employer reimbursement/assistance.....	2.5	6.6	2.2	5.3	2.1	11.9	0.0	1.1	2.0	1.6

See explanatory information and SOURCE at end of table.

Appendix table 5-22

Primary source of support of 1995–99 doctoral recipients, by race/ethnicity and field

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Race/ethnicity and primary source of support	Total S&E	Engineering	Physical sciences	Earth, atmospheric & ocean sciences	Mathematics	Computer science	Agri-cultural sciences	Biological sciences	Psy-chology	Social sciences
Percent distribution										
Foreign (non-U.S.) support.....	0.3	0.5	0.0	0.0	0.0	0.0	4.5	0.2	0.0	0.1
Other source of support.....	1.9	1.9	2.5	2.6	0.0	3.4	0.9	2.2	1.5	1.8
Unknown source of support.....	12.9	10.6	13.4	5.3	8.3	13.6	19.1	12.2	13.2	14.1
Hispanic, total.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Personal sources of support.....	24.9	16.5	11.3	16.9	11.5	40.3	21.8	12.4	42.1	30.8
Loans.....	6.8	2.8	1.9	1.2	0.0	9.0	2.7	1.8	15.9	7.5
Personal savings.....	0.6	0.4	0.0	1.2	1.1	1.5	2.7	0.0	0.3	1.9
Other personal earnings in graduate school.....	10.3	8.9	6.0	8.4	4.6	13.4	9.1	5.5	14.6	14.8
Other family earnings or savings.....	7.1	4.3	3.4	6.0	5.7	16.4	7.3	5.2	11.2	6.7
Teaching assistantship.....	10.6	6.3	16.6	10.8	35.6	10.4	3.6	8.2	7.1	17.2
Research assistantship, traineeship, internship.....	21.6	30.4	36.1	24.1	9.2	19.4	37.3	33.6	8.6	9.0
Research assistantship.....	18.9	28.3	34.2	22.9	9.2	19.4	37.3	26.8	6.2	8.8
Traineeship.....	2.7	2.2	1.9	1.2	0.0	0.0	0.0	6.8	2.1	0.2
Internship or residency.....	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
Fellowship/scholarship/dissertation										
grant.....	24.3	24.3	25.4	27.7	27.6	11.9	13.6	31.3	18.2	26.8
Fellowship/scholarship.....	23.9	23.9	25.4	27.7	27.6	11.9	13.6	30.7	17.9	26.2
Dissertation grant.....	0.3	0.4	0.0	0.0	0.0	0.0	0.0	0.5	0.2	0.6
Employer reimbursement/assistance.....	2.2	7.0	1.9	2.4	1.1	10.4	0.0	0.8	1.6	1.0
Foreign (non-U.S.) support.....	1.6	2.8	0.9	4.8	2.3	3.0	8.2	1.5	0.1	1.5
Other source of support.....	1.7	2.2	0.3	1.2	0.0	3.0	3.6	1.8	1.7	2.1
Unknown source of support.....	13.1	10.4	7.5	12.0	12.6	1.5	11.8	10.4	20.7	11.5
American Indian/Alaskan Native, total.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Personal sources of support.....	27.4	27.3	11.6	30.8	25.0	33.3	4.2	16.2	35.0	39.0
Loans.....	5.3	3.0	0.0	0.0	0.0	0.0	0.0	2.7	12.8	5.0
Personal savings.....	1.3	0.0	2.3	7.7	0.0	0.0	0.0	1.4	0.9	2.0
Other personal earnings in graduate school.....	14.4	15.2	4.7	23.1	25.0	33.3	4.2	5.4	12.0	27.0
Other family earnings or savings.....	6.3	9.1	4.7	0.0	0.0	0.0	0.0	6.8	9.4	5.0
Teaching assistantship.....	9.6	3.0	14.0	7.7	37.5	0.0	8.3	1.4	8.5	19.0
Research assistantship, traineeship, internship.....	23.0	25.8	46.5	46.2	12.5	55.6	37.5	45.9	6.8	5.0
Research assistantship.....	20.8	24.2	44.2	46.2	12.5	44.4	37.5	37.8	6.0	5.0
Traineeship.....	2.2	1.5	2.3	0.0	0.0	11.1	0.0	8.1	0.9	0.0
Internship or residency.....	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fellowship/scholarship/dissertation										
grant.....	23.0	25.8	14.0	15.4	12.5	11.1	25.0	20.3	26.5	26.0
Fellowship/scholarship.....	22.8	24.2	14.0	15.4	12.5	11.1	25.0	20.3	26.5	26.0
Dissertation grant.....	0.2	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

See explanatory information and SOURCE at end of table.

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Primary source of support of 1995–99 doctoral recipients, by race/ethnicity and field

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Race/ethnicity and primary source of support	Total S&E	Engineering	Physical sciences	Earth, atmospheric & ocean sciences	Mathematics	Computer science	Agri-cultural sciences	Biological sciences	Psy-chology	Social sciences
Percent distribution										
Employer reimbursement/assistance.....	2.0	6.1	0.0	0.0	0.0	0.0	8.3	0.0	1.7	1.0
Foreign (non-U.S.) support.....	1.3	3.0	0.0	0.0	0.0	0.0	4.2	1.4	0.9	1.0
Other source of support.....	0.7	0.0	0.0	0.0	0.0	0.0	4.2	0.0	1.7	0.0
Unknown source of support.....	13.1	9.1	14.0	0.0	12.5	0.0	8.3	14.9	18.8	12.0
Other/unknown race/ethnicity, total.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Personal sources of support.....	16.0	11.1	6.3	22.9	13.9	14.6	17.5	11.8	22.1	27.9
Loans.....	2.8	0.7	0.3	2.9	1.3	3.1	1.8	1.1	8.1	4.6
Personal savings.....	0.8	1.2	0.3	0.0	0.0	3.1	0.0	0.0	0.6	1.7
Other personal earnings in graduate school.....	8.2	6.4	3.3	18.6	7.6	6.3	14.0	6.2	8.7	14.0
Other family earnings or savings.....	4.1	2.7	2.3	1.4	5.1	2.1	1.8	4.6	4.7	7.7
Teaching assistantship.....	9.5	6.4	15.0	11.4	34.2	2.1	3.5	5.6	3.7	14.8
Research assistantship, traineeship, internship.....	22.3	35.1	36.0	27.1	5.1	25.0	24.6	29.0	3.7	7.4
Research assistantship.....	20.3	34.6	35.3	27.1	5.1	25.0	22.8	21.2	2.8	6.6
Traineeship.....	1.9	0.2	0.7	0.0	0.0	0.0	1.8	7.8	0.6	0.9
Internship or residency.....	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0
Fellowship/scholarship.....	11.9	12.8	9.7	8.6	15.2	15.6	5.3	15.9	2.2	17.4
Dissertation grant.....	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.3
Employer reimbursement/assistance.....	1.6	3.5	0.3	1.4	0.0	8.3	3.5	0.5	0.0	1.4
Foreign (non-U.S.) support.....	0.6	1.2	0.0	0.0	2.5	0.0	0.0	0.3	0.3	0.9
Other source of support.....	1.5	1.5	1.3	1.4	2.5	2.1	1.8	1.6	0.6	1.7
Unknown source of support.....	36.5	28.1	31.3	27.1	26.6	32.3	43.9	34.7	67.3	28.2
Number										
Total, all students.....	91,733	15,976	12,625	2,841	3,323	2,692	2,759	21,379	16,061	14,077
White, non-Hispanic.....	69,425	10,914	9,439	2,294	2,525	1,928	2,144	15,841	13,318	11,022
Asian/Pacific Islander.....	13,402	3,708	2,247	343	576	533	314	3,817	617	1,247
Black, non-Hispanic.....	3,120	423	277	38	48	59	110	543	790	832
Hispanic.....	3,278	460	319	83	87	67	110	732	898	522
American Indian/Alaskan Native.....	457	66	43	13	8	9	24	74	117	103
Other/unknown race/ethnicity.....	2,051	405	300	70	79	96	57	372	321	351

NOTE: Data are for U.S. citizens and permanent residents only.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Earned Doctorates, various years.